

Calculus

Name: \_\_\_\_\_

HW 36: Unit 3.8 – Implicit Differentiation Day 2

Date: \_\_\_\_\_

Find  $\frac{dy}{dx}$ .

1.  $y^2 = \frac{x-1}{x+1}$

2.  $x^3 + y^3 = 18xy$

3.  $x = \sin y$

4.  $x^2y + xy^2 = 6$

5.  $x + \tan(xy) = 0$

6.  $x^2 = \frac{x-y}{x+y}$